***Learning Targets***

***Chapter #1: Introduction to Science and Scientific Method***

***By the end of this unit you should be able to:***

* Define biology
* Identify the steps of the scientific method
* Define a hypothesis
* Define a prediction
* Define a placebo
* Define a theory
* Explain the purpose of a control group in an experiment
* Explain what is true about experimental and control groups in an experiment
* Explain Harte’s experiment on salamander eggs
* Identify Harte’s independent and dependent variables
* Distinguish between independent and dependent variables
* State the eight characteristics of life
* Define the following terms: cell, homeostasis, evolution, gene, heredity, natural selection, asexual and sexual reproduction

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